

What Is Claimed Is:

1. A shock-absorbing structure of a battery cover, comprising:

a battery cover which protects at least one battery; and

a plurality of shock-absorbing ribs formed on an outer surface of the battery cover.

2. A shock-absorbing structure according to claim 1, wherein the plurality of ribs are arranged parallel to each other.

3. A shock-absorbing structure according to claim 1, wherein the plurality of ribs are crossed in a lattice-like manner.

4. A shock-absorbing structure according to claim 1, further comprising:

at least one fixing member engaged with an electrode of the at least one battery; and

at least one projection which is formed on an inner surface of the battery cover and can abut against the at least one fixing member.

5. A shock-absorbing structure according to claim 4, wherein the at least one projection has an annular shape to form a hollow portion therein, and a distal end portion of the electrode is received

in the hollow portion of the at least one
projection.

6. A shock-absorbing structure according to claim
4, wherein a gap between the at least one
projection and the at least one fixing member is
smaller than a gap between the electrode and the
battery cover.

7. A shock-absorbing structure according to claim
5, wherein a gap between the at least one
projection and the at least one fixing member is
smaller than a gap between the electrode and the
battery cover.

8. A shock-absorbing structure according to claim
4, wherein the plurality of ribs and the at least
one projection are disposed substantially
symmetrically with respect to a plane of the
battery cover.

9. A shock-absorbing structure according to claim
1, wherein the plurality of ribs are interconnected
by at least one bulge portion formed on the battery
cover.

10. A shock-absorbing structure according to claim
9, wherein the at least one bulge portion and the

3 plurality of ribs project substantially to the same
4 height.

1 11. A shock-absorbing structure of a battery
2 cover, comprising:

3 a battery cover which protects at least one
4 battery;

5 at least one fixing member engaged with an
6 electrode of the at least one battery; and

7 at least one projection which is formed on an
8 inner surface of the battery cover and can abut
9 against the at least one fixing member.

1 12. A shock-absorbing structure according to claim
2 11, wherein the at least one projection has an
3 annular shape to form a hollow portion therein, and
4 a distal end portion of the electrode is received
5 in the hollow portion of the at least one
6 projection.

1 13. A shock-absorbing structure according to claim
2 11, wherein a gap between the at least one
3 projection and the at least one fixing member is
4 smaller than a gap between the electrode and the
5 battery cover.

1 14. A shock-absorbing structure according to claim
2 12, wherein a gap between the at least one

projection and the at least one fixing member is smaller than a gap between the electrode and the battery cover.

15. A shock-absorbing structure according to claim 11, further comprising:

a plurality of shock-absorbing ribs formed on an outer surface of the battery cover.

16. A shock-absorbing structure according to claim 15, wherein the plurality of ribs are arranged parallel to each other.

17. A shock-absorbing structure according to claim 15, wherein the plurality of ribs are crossed in a lattice-like manner.

18. A shock-absorbing structure according to claim 15, wherein the plurality of ribs and the at least one projection are disposed substantially symmetrically with respect to a plane of the battery cover.

19. A shock-absorbing structure according to claim 15, wherein the plurality of ribs are interconnected by at least one bulge portion formed on the battery cover.

1 20. A shock-absorbing structure according to claim
2 19, wherein the at least one bulge portion and the
3 plurality of ribs project substantially to the same
4 height.

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